

IN THE CLAIMS:

Please cancel claims 1-12 without prejudice to or disclaimer of the subject matter recited therein.

Please add new claims 13-22 as follows:

LISTING OF CURRENT CLAIMS

Claim 1-12. (Canceled)

13. (New) A method for driving a liquid crystal display panel, the liquid crystal display panel comprising:

a plurality of scan lines;

a plurality of data lines; and

5 a plurality of pixels, each pixel has a switching device and a liquid crystal element, and the switching device is connected to a corresponding scan line, a corresponding data line and the liquid crystal element;

the method comprising:

continuously receiving a plurality of frame data;

10 delaying the frame data to produce a plurality of corresponding delayed frame data;

producing an over-drive data voltage pulse, the value of which is decided by comparing a present frame data with a corresponding delayed frame data, and producing an original data voltage pulse according to the present frame data; and

15 sequentially providing the over-drive data voltage pulse and the original data voltage pulse to the liquid crystal element of the pixel in the present frame period via a data line connected to the pixel.

14. (New) The method of claim 13, wherein when comparing the present frame data with the corresponding delayed frame data, the value of the over-drive data voltage pulse is decided according to a predetermined table.

15. (New) The method of claim 13, wherein each frame data comprises a plurality of pixel data and each pixel data corresponds to one pixel.

16. (New) The method of claim 13, further comprising: providing a scan voltage to the switching device via the corresponding scan line to enable the over-drive data voltage pulse and the original data voltage pulse to be supplied to the liquid crystal element.

17. (New) A method for driving a liquid crystal display panel, the liquid crystal display panel comprising:

a plurality of scan lines;

a plurality of data lines; and

5 a plurality of pixels, each pixel includes a switching device and a liquid crystal element, the switching device is connected to a corresponding scan line, a corresponding data line and the liquid crystal element;

the method comprising:

10 receiving a clock signal, a synchronization signal, and a plurality of frame data;

delaying the frame data to produce a plurality of corresponding delayed frame data;

15 producing a double-frequency clock signal in accordance with the clock signal, and producing a double-frequency synchronization signal in accordance with the double-frequency clock signal and the synchronization signal;

producing an over-drive data voltage pulse, the value of which is decided by comparing a present frame data with a corresponding delayed frame data, and producing an original data voltage pulse according to the present frame data; and

20 sequentially providing the over-drive data voltage pulse and the original data voltage pulse to the liquid crystal element of the corresponding pixel in accordance with the double-frequency clock signal in the present frame period.

18. (New) The method of claim 17, wherein when comparing the present frame data with the corresponding delayed frame data, the value of the over-drive data voltage pulse is decided according to a predetermined table.

19. (New) The method of claim 17, wherein the synchronization signal includes a horizontal synchronization signal and a vertical synchronization signal.

20. (New) The method of claim 17, wherein the double-frequency synchronization signal includes a horizontal double-frequency synchronization signal and a vertical double-frequency synchronization signal.

21. (New) The method of claim 17, wherein each frame data comprises a plurality of pixel data and each pixel data corresponds to one pixel.

22. (New) The method of claim 17, further comprising: providing a scan voltage to the switching device via the corresponding scan line to enable the over-drive data voltage pulse and the original data voltage pulse supplied to the liquid crystal element.